

Title (en)
Method for the production of multiply halogenated benzotrifluorides, benzotrichlorides and benzoyl chlorides as well as trihalobenzotrichlorides and -benzoyl chlorides.

Title (de)
Verfahren zur Herstellung mehrfach halogenerter Benzotrifluoride, Benzotrichloride und Benzoylchloride sowie neue Trihalogenbenzotrichloride und -benzoylchloride.

Title (fr)
Procédé pour la fabrication de fluorures de benzényle, chlorures de benzényles et chlorures de benzoyle multiple halogénés et chlorures de benzényle et benzoyle trihalogénés.

Publication
EP 0607824 A2 19940727 (DE)

Application
EP 94100203 A 19940107

Priority
DE 4301247 A 19930119

Abstract (en)
Multiply halogenated benzotrifluorides can be reacted with chlorides from the Friedel-Crafts catalysts series to give the corresponding benzotrichlorides, which can be hydrolysed by water in the presence of iron(III) chloride to give the corresponding benzoyl chlorides. These are suitable as intermediates for the production of active compounds for medicaments and feed additives.

Abstract (de)
Mehrfach halogenierte Benzotrifluoride lassen sich mit Chloriden aus der Reihe der Friedel-Crafts-Katalysatoren zu den entsprechenden Benzotrichloriden umsetzen, die durch Wasser in Gegenwart von Eisen(III)-chlorid zu den entsprechenden Benzoylchloriden hydrolysiert werden können. Diese sind als Zwischenprodukte für die Herstellung von Wirkstoffen für Arzneimittel und Futterzusatzstoffe geeignet.

IPC 1-7
C07C 17/20; C07C 51/58; C07C 63/10

IPC 8 full level
C07B 61/00 (2006.01); **A23K 20/195** (2016.01); **B01J 27/10** (2006.01); **B01J 27/12** (2006.01); **B01J 27/128** (2006.01); **C07C 17/12** (2006.01); **C07C 17/158** (2006.01); **C07C 17/20** (2006.01); **C07C 17/32** (2006.01); **C07C 25/13** (2006.01); **C07C 51/093** (2006.01); **C07C 51/58** (2006.01); **C07C 63/10** (2006.01); **C07C 63/70** (2006.01); **C07D 401/04** (2006.01)

CPC (source: EP US)
A23K 20/195 (2016.05 - EP US); **B01J 27/10** (2013.01 - EP US); **B01J 27/12** (2013.01 - EP US); **B01J 27/128** (2013.01 - EP US); **C07C 17/12** (2013.01 - EP US); **C07C 17/208** (2013.01 - EP US); **C07C 17/32** (2013.01 - EP US); **C07C 25/13** (2013.01 - EP US); **C07C 51/58** (2013.01 - EP US)

C-Set (source: EP US)
1. **C07C 17/12 + C07C 25/13**
2. **C07C 17/208 + C07C 25/13**
3. **C07C 17/32 + C07C 25/13**
4. **C07C 51/58 + C07C 63/70**

Cited by
EP0908438A3; US6613948B1

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL

DOCDB simple family (publication)
DE 4301247 A1 19940721; CA 2113530 A1 19940720; CA 2113530 C 20040803; DE 59405736 D1 19980528; DE 59408701 D1 19991007; EP 0607824 A2 19940727; EP 0607824 A3 19950104; EP 0607824 B1 19980422; EP 0781747 A1 19970702; EP 0781747 B1 19990901; ES 2115782 T3 19980701; ES 2135961 T3 19991101; JP 2004067702 A 20040304; JP 3572096 B2 20040929; JP 3844353 B2 20061108; JP H06279357 A 19941004; US 5599980 A 19970204; US 6075165 A 20000613; US 6114590 A 20000905

DOCDB simple family (application)
DE 4301247 A 19930119; CA 2113530 A 19940114; DE 59405736 T 19940107; DE 59408701 T 19940107; EP 94100203 A 19940107; EP 97103815 A 19940107; ES 94100203 T 19940107; ES 97103815 T 19940107; JP 1409894 A 19940113; JP 2003349817 A 20031008; US 18094994 A 19940112; US 67092196 A 19960626; US 84278097 A 19970417